

WHAT IS CLAIMED IS:

1. An image reading apparatus comprising:
a light source for applying light to an image;
moving means for moving a unit including at
5 least said light source;

photoelectric converting means for converting
reflected light of said light source applied to an
original into a voltage;

analog-digital converting means for converting
10 an analog signal outputted from said photoelectric
converting means into a digital signal; and

a driving signal generating part for supplying
a driving signal to said photoelectric converting
means and said analog-digital converting means;

15 wherein a moving speed of said moving means is
not changed, but there are held a plurality of kinds
of signal patterns supplied by said driving signal
generating part.

20 2. An image reading apparatus according to
Claim 1, wherein in the signal patterns supplied by
said driving signal generating part, a frequency
ratio between a certain mode and another mode is
integer times.

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3. An image reading apparatus comprising:
a light source for applying light to an image;

moving means for moving a unit including at least said light source;

photoelectric converting means for converting reflected light of the light source applied to an
5 original into a voltage;

analog-digital converting means for converting an analog signal outputted from said photoelectric converting means into a digital signal; and

a plurality of amplifying means for amplifying
10 a signal outputted from said analog-digital converting means; and

switch means provided in a power source supplying part of predetermined one of the amplifying means, for effecting ON/OFF-control according to a
15 reading mode.